

Pain Conditions - Chronic
Summary of Methods and Data for Estimate of Costs of Illness

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|---|-----------------|
| 1. Estimated Total Economic Cost | \$ 79.0 billion |
| Estimated Direct Cost | \$ 45.0 billion |
| Estimated Indirect Cost | \$ 34.0 billion |
| Reference Year | 1986 |
| IC Providing the Estimate | NIDCR, NINDS |
| | |
| Direct Costs Include: Other related nonhealth costs | No |
| Indirect Costs Include: | |
| Mortality costs | No |
| Morbidity costs: Lost workdays of the patient | Yes |
| Morbidity costs: Reduced productivity of the patient | No |
| Lost earnings of unpaid care givers | No |
| Other related nonhealth costs | Yes |
| Interest Rate Used to Discount Out-Year Costs | Not Available |
| 2. Category code(s) from the International Classification of Diseases, 9th Revision, Clinical Modification,(ICD-9-CM) for all diseases whose costs are included in this estimate: <u>Not Applicable</u> . | |
| 3. Estimate Includes Costs: | |
| Of related conditions beyond primary, strictly coded ICD-9-CM category | Not Applicable |
| Attributable to the subject disease as a secondary diagnosis | Not Applicable |
| Of conditions for which the subject disease is an underlying cause | Not Applicable |
| 4. Population Base for Cost Estimate (Total U.S. pop or other) | Total U.S. pop. |
| 5. Annual (prevalence model) or Lifetime (incidence model) Cost: | Annual |
| 6. Perspective of Cost Estimate (Total society, Federal budget, or Other) | Total Society |
| 7. Approach to Estimation of Indirect Costs | Human Capital |
| | |
| 8. <u>Source of Cost Estimate</u> : (Reference published or unpublished report, or address and telephone of person/office responsible for estimate) | |

Bonica, J.J. (1990) General considerations of chronic pain. In: J.J. Bonica, J.D. Loeser, C.R. Chapman, and W.E. Fordyce. The Management of Pain. Volume I. Philadelphia: Lea & Febiger, 180-196, especially pp 181-183.

9. Other Indicators of Burden of Disease:

Estimated that more than one-third of U.S. population experiences chronic pain. Estimated that more than 400 million work days lost in 1986 due to chronic pain. See attached copy of Table 8-1 from Bonica (1990).

10. Commentary:

The cost of illness estimate reported here is based on an analysis by John J. Bonica for 1986.
The estimate includes both direct and indirect costs.